

From wb1cmg at gmail.com Thu Mar 1 19:56:02 2018
From: wb1cmg at gmail.com (David Upton)
Date: Thu, 1 Mar 2018 19:56:02 -0500
Subject: [BoatAnchors] BoatAnchors Digest, Vol 341, Issue 2
In-Reply-To: <mailman.17.1519851725.31867.boatanchors@lists.theporch.com>
References: <mailman.17.1519851725.31867.boatanchors@lists.theporch.com>
Message-ID: <CAfhJE1BnVCC4mNGTMW0FJ-aKg9Fhd397FJknAgGMzKhnbV_r6w@mail.gmail.com>

yeah, but I still like 'kMc". Now you're really up high in frequency.

David, WB1CMG
Mont Vernon, NH 03057

On 2/28/18, boatanchors-request at lists.theporch.com
<boatanchors-request at lists.theporch.com> wrote:
> Send BoatAnchors mailing list submissions to
> boatanchors at lists.theporch.com
>
> To subscribe or unsubscribe via the World Wide Web, visit
> <https://lists.theporch.com/mailman/listinfo/boatanchors>
> or, via email, send a message with subject or body 'help' to
> boatanchors-request at lists.theporch.com
>
> You can reach the person managing the list at
> boatanchors-owner at lists.theporch.com
>
> When replying, please edit your Subject line so it is more specific
> than "Re: Contents of BoatAnchors digest..."
>
>
> Today's Topics:
>
> 1. Billifarad? (Jerry Proc)
> 2. Re: Billifarad? (John Poulton)
> 3. Re: Billifarad? (Dave Horsfall)
> 4. Re: Billifarad? (Richard Knoppow)
> 5. Re: Billifarad? (Heinz Breuer)
> 6. Re: Billifarad? (Richard Knoppow)
> 7. Re: Billifarad? (Chuck McGregor)
> 8. Re: Billifarad? (Richard Knoppow)
>
>
> -----
>
> Message: 1
> Date: Wed, 28 Feb 2018 19:45:13 +0000 (UTC)
> From: Jerry Proc <jerry7proc at yahoo.com>

> To: "boatanchors at lists.theporch.com" <boatanchors at lists.theporch.com>
> Subject: [BoatAnchors] Billifarad?
> Message-ID: <743473750.6342433.1519847113803 at mail.yahoo.com>
> Content-Type: text/plain; charset=UTF-8
>
> Hello Everyone,
> I am currently documenting early radios and have into the term "Billi
> condenser".?Was able to find this on the web:
> " A billi condenser is an early form of adjustable capacitor. It is so named
> because its capacity is in the order of a billifarad"?
>
> How much is a billifard in relation to a farad???-- Regards, Jerry Proc
> E-mail: jerry7proc at yahoo.com
>
> -----
>
> Message: 2
> Date: Wed, 28 Feb 2018 14:57:20 -0500
> From: John Poulton <jp at cs.unc.edu>
> To: Jerry Proc <jerry7proc at yahoo.com>, Ham radios with tubes
> <boatanchors at lists.theporch.com>
> Subject: Re: [BoatAnchors] Billifarad?
> Message-ID:
> <CAKtz7fdG7vwzw6esC85Jc9cwzF4KvrFNzbvsB81Wry3=QDORzQ at mail.gmail.com>
> Content-Type: text/plain; charset="UTF-8"
>
> Billionth of a Farad? AKA, 1nF?
>
> On Wed, Feb 28, 2018 at 2:45 PM, Jerry Proc via BoatAnchors <
> boatanchors at lists.theporch.com> wrote:
>
>> Hello Everyone,
>> I am currently documenting early radios and have into the term "Billi
>> condenser". Was able to find this on the web:
>> " A billi condenser is an early form of adjustable capacitor. It is so
>> named because its capacity is in the order of a billifarad"
>>
>> How much is a billifard in relation to a farad? -- Regards, Jerry Proc
>> E-mail: jerry7proc at yahoo.com
>> -----
>> BoatAnchors mailing list
>> BoatAnchors at lists.theporch.com
>> <https://lists.theporch.com/mailman/listinfo/boatanchors>
>>
>
>
> -----
>

> Message: 3
> Date: Thu, 1 Mar 2018 06:59:48 +1100 (EST)
> From: Dave Horsfall <dave at horsfall.org>
> To: BoatAnchors List <Boatanchors at lists.theporch.com>
> Subject: Re: [BoatAnchors] Billifarad?
> Message-ID: <alpine.BSF.2.21.1803010656070.9447 at aneurin.horsfall.org>
> Content-Type: text/plain; charset=US-ASCII; format=flowed
>
> On Wed, 28 Feb 2018, Jerry Proc via BoatAnchors wrote:
>
>> How much is a billifard in relation to a farad?
>
> At a guess I'd say it's a billionth of a Farad, i.e. a pico Farad; this
> would've been before SI units.
>
> --
> Dave Horsfall DTM (VK2KFU) "Those who don't understand security will
> suffer."
> If you are a Gmail/Yahoo/etc user please see
> <http://www.horsfall.org/spam.html>
>
>
> -----
>
> Message: 4
> Date: Wed, 28 Feb 2018 12:06:24 -0800
> From: Richard Knoppow <1oldlens1 at ix.netcom.com>
> To: boatanchors at lists.theporch.com
> Subject: Re: [BoatAnchors] Billifarad?
> Message-ID: <1f1fa3e9-3f52-f868-296c-d45547069a45 at ix.netcom.com>
> Content-Type: text/plain; charset=windows-1252; format=flowed
>
> Maybe a misprint. Never saw the term. If it means millifarad
> it also makes no sense. We have 1000 uF caps today but not in
> the distant past.
>
> On 2/28/2018 11:59 AM, Dave Horsfall wrote:
>> On Wed, 28 Feb 2018, Jerry Proc via BoatAnchors wrote:
>>
>>> How much is a billifard in relation to a farad?
>>
>> At a guess I'd say it's a billionth of a Farad, i.e. a pico
>> Farad; this would've been before SI units.
>>
>
> --
> Richard Knoppow
> 1oldlens1 at ix.netcom.com

> WB6KBL
>
>
> -----
>
> Message: 5
> Date: Wed, 28 Feb 2018 21:37:44 +0100
> From: Heinz Breuer <hbreuer at debitel.net>
> To: Jerry Proc <jerry7proc at yahoo.com>, Ham radios with tubes
> <boatanchors at lists.theporch.com>
> Subject: Re: [BoatAnchors] Billifarad?
> Message-ID: <965A424E-0482-45C9-BA9F-23AA49F41669 at debitel.net>
> Content-Type: text/plain; charset=us-ascii
>
> Well it might depend in the origin of the reference text. In Germany we
> have:
> 10^3 Thousand
> 10^6 Million
> 10^9 Milliarde
> 10^12 Billion
> 10^15 Billiarde
> 10^18 Trillion
>
> A variable capacitor is usually in the range of picofarad 10^-12
> Maybe billifarad is really a billionth Farad aka pF
>
> vy 73 Heinz DH2FA, KM5VT
>
> Von meinem iPhone gesendet
>
>> Am 28.02.2018 um 20:45 schrieb Jerry Proc via BoatAnchors
>> <boatanchors at lists.theporch.com>:
>>
>> Hello Everyone,
>> I am currently documenting early radios and have into the term "Billi
>> condenser". Was able to find this on the web:
>> " A billi condenser is an early form of adjustable capacitor. It is so
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>> How much is a billifard in relation to a farad? -- Regards, Jerry Proc
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>> -----
>> BoatAnchors mailing list
>> BoatAnchors at lists.theporch.com
>> <https://lists.theporch.com/mailman/listinfo/boatanchors>
>
>
>

> -----
>
> Message: 6
> Date: Wed, 28 Feb 2018 12:52:37 -0800
> From: Richard Knoppow <1oldlens1 at ix.netcom.com>
> To: boatanchors at lists.theporch.com
> Subject: Re: [BoatAnchors] Billifarad?
> Message-ID: <4f6fc7aa-fd31-615a-7905-94d6a8de03ab at ix.netcom.com>
> Content-Type: text/plain; charset=windows-1252; format=flowed
>
> Aha, found a definition. See:
> <https://books.google.com/books?id=GRA9AAAAAYAAJ&pg=PA58&lpg=PA58&dq=billifarad&source=bl&ots=HyRdiXDuTU&sig=086mR2pG6Bw74Wand0E0Em7Ht7I&hl=en&sa=X&ved=0ahUKEwj-psWju8nZAhVD4IMKHSBSCNYQ6AEILjAB#v=onepage&q=billifarad&f=false>
>
> Also see p.25 of
> <https://archive.org/details/howandwhyradioa00secogoo>
>
> I had not seen this term used before. Evidently it was in
> some use in the very early days of wireless.
> I found some other links via Google but this is enough.
> Thank you for bringing this to our attention, you learn
> something new every day.
>
> On 2/28/2018 11:45 AM, Jerry Proc via BoatAnchors wrote:
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>> " A billi condenser is an early form of adjustable capacitor. It is so
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>> E-mail: jerry7proc at yahoo.com
>
> --
> Richard Knoppow
> 1oldlens1 at ix.netcom.com
> WB6KBL
>
>
> -----
>
> Message: 7
> Date: Wed, 28 Feb 2018 12:59:06 -0800
> From: Chuck McGregor <cbmcgr at gmail.com>
> To: Ham radios with tubes <boatanchors at lists.theporch.com>
> Subject: Re: [BoatAnchors] Billifarad?

> Message-ID:
> <CAFTq00RLmxyr9chaE7ZGBewRBik1XvskoL_yaH44As_82Ux_jg at mail.gmail.com>
> Content-Type: text/plain; charset="UTF-8"
>
> Some think a billion is 10^9 some think a billion is 10^{12}
> Clearly there is confusion over any notation involving Billions.
> Thus, the wisdom of using the SI abbreviations today.
> 73
> Chuck K7MCG
>
> On Wed, Feb 28, 2018 at 12:52 PM, Richard Knoppow via BoatAnchors <
> boatanchors at lists.theporch.com> wrote:
>
>> Aha, found a definition. See:
>> <https://books.google.com/books?id=GRA9AAAAAYAAJ&pg=PA58&lpg=PA58&dq=billifarad&source=bl&ots=HyRdiXDuTU&sig=086mR2pG6Bw74Wand0E0Em7Ht7I&hl=en&sa=X&ved=0ahUKewj-psWju8nZAhVD4IMKH SBSCNYQ6AEILjAB#v=onepage&q=billifarad&f=false>
>>
>> Also see p.25 of
>> <https://archive.org/details/howandwhyradioa00secogoo>
>>
>> I had not seen this term used before. Evidently it was in some use in
>> the very early days of wireless.
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>> Thank you for bringing this to our attention, you learn something new
>> every day.
>>
>> On 2/28/2018 11:45 AM, Jerry Proc via BoatAnchors wrote:
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>>> Hello Everyone,
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>>> " A billi condenser is an early form of adjustable capacitor. It is so
>>> named because its capacity is in the order of a billifarad"
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>>> How much is a billifard in relation to a farad? -- Regards, Jerry Proc
>>> E-mail: jerry7proc at yahoo.com
>>>
>>
>> --
>> Richard Knoppow
>> 1oldlens1 at ix.netcom.com
>> WB6KBL
>>
>> -----
>> BoatAnchors mailing list
>> BoatAnchors at lists.theporch.com
>> <https://lists.theporch.com/mailman/listinfo/boatanchors>

>>
>
>
> -----
>
> Message: 8
> Date: Wed, 28 Feb 2018 13:02:04 -0800
> From: Richard Knoppow <1oldlens1 at ix.netcom.com>
> To: boatanchors at lists.theporch.com
> Subject: Re: [BoatAnchors] Billifarad?
> Message-ID: <cc1b2e9c-77ee-f781-3088-b38d720a9377 at ix.netcom.com>
> Content-Type: text/plain; charset=windows-1252; format=flowed
>
> I forgot to add the definition. Its a millimicrofarad, i.e.
> 10^{-9} farad. Millimicrofarad was still used occasionally, for
> instance on my General Radio 650A impedance bridge.
> Depending on how one defines a billion (1000 million or 10^9
> in the US) it could be a billionth of a Farad, or billi-farad.
> In England a billion could also mean 10^{12} but the books
> below specifically indicate billifarad is 10^{-9}
>
> On 2/28/2018 12:52 PM, Richard Knoppow via BoatAnchors wrote:
>> ? Aha, found a definition. See:
>> <https://books.google.com/books?id=GRA9AAAAAYAAJ&pg=PA58&lpg=PA58&dq=billifarad&source=bl&ots=HyRdiXDuTU&sig=086mR2pG6Bw74Wand0E0Em7Ht7I&hl=en&sa=X&ved=0ahUKEwj-psWju8nZAhVD4IMKHSBSCNYQ6AEILjAB#v=onepage&q=billifarad&f=false>
>>
>>
>>
>> Also see p.25 of
>> <https://archive.org/details/howandwhyradioa00secogoo>
>
>
> --
> Richard Knoppow
> 1oldlens1 at ix.netcom.com
> WB6KBL
>
>
> -----
>
> Subject: Digest Footer
>
> -----
> BoatAnchors mailing list
> BoatAnchors at lists.theporch.com
> <https://lists.theporch.com/mailman/listinfo/boatanchors>

>
>
> -----
>
> End of BoatAnchors Digest, Vol 341, Issue 2
> *****
>

From k0myw at sbcglobal.net Fri Mar 2 10:17:23 2018
From: k0myw at sbcglobal.net (Michael OBrien)
Date: Fri, 2 Mar 2018 15:17:23 +0000 (UTC)
Subject: [BoatAnchors] Unusual soldering aid
References: <259663049.7402352.1520003843170.ref@mail.yahoo.com>
Message-ID: <259663049.7402352.1520003843170@mail.yahoo.com>

In the past I purchased a couple of tools from an outfit named StewMac that caters to luthiers and constructors of amps for guitars. That put me on their email list. And today I received a notice about a new product they are offering that I cannot resist sharing...

Let me emphasize that I am NOT purchasing one of these gizmos (too expensive, for one thing), nor do I recommend that any Boatanchor brethren do so. I just thought it was an interesting idea for an aid when soldering components in tight quarters:

http://www.stewmac.com/Luthier_Tools/Tools_by_Job/Tools_for_Electronics_and_Pickups/Soldering/StewMac_Solder_Monster.html?lac_guid=603fd0a8-881d-e811-80dc-ecb1d775572a&utm_campaign=m0531&utm_medium=email&utm_source=NPA&utm_content=m0531_C_20180302

Mike KOMYW

From ranickel at comcast.net Fri Mar 2 11:01:20 2018
From: ranickel at comcast.net (Robert Nickels)
Date: Fri, 2 Mar 2018 10:01:20 -0600
Subject: [BoatAnchors] Unusual soldering aid
In-Reply-To: <259663049.7402352.1520003843170@mail.yahoo.com>
References: <259663049.7402352.1520003843170.ref@mail.yahoo.com>
<259663049.7402352.1520003843170@mail.yahoo.com>
Message-ID: <826918d7-01a3-7db8-a07a-c48c27bb6574@comcast.net>

On 3/2/2018 9:17 AM, Michael OBrien wrote:

> Let me emphasize that I am NOT purchasing one of these gizmos (too expensive, for one thing), nor do I recommend that any Boatanchor brethren do so. I just thought it was an interesting idea for an aid when soldering components in tight quarters:

The flexible hose used here is very commonly used in the machining

industry for delivery of coolant, compressed air, etc. The original (I think) was the Loc-Line by Lockwood Products, who make a wide range of products and sizes: <http://www.loc-line.com/products/14-loc-line-system/>

They've now got competition I think, but it's very handy stuff and a homebrew version could be made much less expensively and customized as desired.

73, Bob W9RAN

From arc5 at ix.netcom.com Fri Mar 2 14:58:41 2018
From: arc5 at ix.netcom.com (David Stinson)
Date: Fri, 2 Mar 2018 13:58:41 -0600
Subject: [BoatAnchors] Unusual soldering aid
In-Reply-To: <259663049.7402352.1520003843170@mail.yahoo.com>
References: <259663049.7402352.1520003843170.ref@mail.yahoo.com>
<259663049.7402352.1520003843170@mail.yahoo.com>
Message-ID: <005c01d3b260\$ddc89130\$9959b390\$@netcom.com>

That's pretty cool, Mike. Like having your own trained octopus. ;-)

From kd5byb at kd5byb.net Fri Mar 2 15:22:31 2018
From: kd5byb at kd5byb.net (Ben Hall)
Date: Fri, 2 Mar 2018 14:22:31 -0600
Subject: [BoatAnchors] Unusual soldering aid
In-Reply-To: <005c01d3b260\$ddc89130\$9959b390\$@netcom.com>
References: <259663049.7402352.1520003843170.ref@mail.yahoo.com>
<259663049.7402352.1520003843170@mail.yahoo.com>
<005c01d3b260\$ddc89130\$9959b390\$@netcom.com>
Message-ID: <a2f9c196-6e8b-5843-f716-10273860f4bc@kd5byb.net>

On 3/2/2018 1:58 PM, David Stinson via BoatAnchors wrote:
> That's pretty cool, Mike. Like having your own
> trained octopus. ;-)

These are actually pretty useful...but the one if the original post was a tad pricey for my liking. There are less-expensive, perhaps more BA-applicable options:

Here's one with four "arms" for just under \$50:
<<https://www.adafruit.com/product/2474>>

If you've got a Panavise, similar can be found in a form-factor that mounts under the Panavise:
<<https://www.adafruit.com/product/3019>>

I have the second version that mounts under the Panavise. Pretty handy!

Thanks much and 73,
ben, kd5byb

From gumbear at pacbell.net Fri Mar 2 15:30:41 2018
From: gumbear at pacbell.net (Arden Allen)
Date: Fri, 2 Mar 2018 12:30:41 -0800
Subject: [BoatAnchors] Unusual soldering aid
In-Reply-To: <259663049.7402352.1520003843170@mail.yahoo.com>
References: <259663049.7402352.1520003843170.ref@mail.yahoo.com>
<259663049.7402352.1520003843170@mail.yahoo.com>
Message-ID: <2E9DE3E3C8644898876659D5A9190452@Lenovo>

> In the past I purchased a couple of tools from an outfit named StewMac
>

That's old timey parallel processing. I keep up with the times by using
faster serial processing.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From arc5 at ix.netcom.com Fri Mar 2 15:43:44 2018
From: arc5 at ix.netcom.com (David Stinson)
Date: Fri, 2 Mar 2018 14:43:44 -0600
Subject: [BoatAnchors] Rethinking Recapping, Redux
Message-ID: <006301d3b267\$2c3235a0\$8496a0e0\$@netcom.com>

Some may remember a post back in December in which
I suggested a procedure for reviving sets while
doing the least amount of tampering and damage
possible. The three RAX receivers, which were the
subject of that post, are still running fine
(knock wood), one full-voltage on the dynamotor,
two on a DC-DC converter at 90 VDC reduced B+.
Across the three RAX receivers, I changed three
capacitors, no resistors and one tube. Since that

time, I did repair two bad solder joints in the low freq receiver at each end of a bypass cap in the BFO circuit.

Recently acquired an unmolested BC-454 receiver (3-6 MC) and began resuscitation.

<https://photos.app.goo.gl/2Th2rhu9Coc7qUnR2>

<https://photos.app.goo.gl/NBr1s0R72iLcW0Bh1>

After the obligatory De-Ox-it, lube etc., opened the connection to Ground for the Screen Dropping resistors, connected +120 VDC to the B+ buss with no filament voltage. This should (with no local control in the front) leave no path to ground for the 120 Volts save capacitor leakage. Current draw was over 20 mills- a certain sign of one or more very leaky caps.

Going for the obvious first, disconnected the wire to the 5 mFd B+ buss filter, which is not needed unless you're going to run the radio on the dynamotor. This immediately dropped the current draw to a couple of mills. I boosted the B+ buss (still no filament voltage) to 200V and left it there for 2 hours. Current draw was 4 mA- a minor amount of leakage. So the bypasses were either "good" or open. If open, stage oscillations and stage gain would tell me. Next, the 15 mFd Audio PA cathode bypass checked "good." Reconnected the Screen dropping resistors, powered the filaments and put 100V on the B+ buss.

The radio has been playing well for hours now. B+ buss current remains stable. That's all the work it took to get the little soldier marching again. Of course, those caps are very old. They may play till Judgment Day and they may quit tomorrow- but even if they do, no unnecessary tampering was done and the "baddies" will tell on themselves.

<https://photos.app.goo.gl/wXUMw1rZM760F6X62>

GL OM ES 73 DE Dave AB5S

From gumbear at pacbell.net Fri Mar 2 20:28:39 2018

From: gumbear at pacbell.net (Arden Allen)
Date: Fri, 2 Mar 2018 17:28:39 -0800
Subject: [BoatAnchors] Rethinking Recapping, Redux
In-Reply-To: <006301d3b267\$2c3235a0\$8496a0e0\$@netcom.com>
References: <006301d3b267\$2c3235a0\$8496a0e0\$@netcom.com>
Message-ID: <D5C74B71E7164CFAB73A547BF1260139@Lenovo>

> Some may remember a post back in December in which
I suggested a procedure for reviving sets while
doing the least amount of tampering and damage
possible.

Burning the sawdust before burning the rosin makes for greater satisfaction.
Nothing uglier than a badly molested piece of gear like the 'Bay orphan
'scope I just finished. The hacker failed to understand that three missing
capacitors were necessary for the high frequency power supply to run so you
can imagine the mess he made trying to make it run.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From gumbear at pacbell.net Fri Mar 2 20:33:53 2018
From: gumbear at pacbell.net (Arden Allen)
Date: Fri, 2 Mar 2018 17:33:53 -0800
Subject: [BoatAnchors] Rethinking Recapping, Redux
In-Reply-To: <006301d3b267\$2c3235a0\$8496a0e0\$@netcom.com>
References: <006301d3b267\$2c3235a0\$8496a0e0\$@netcom.com>
Message-ID: <91CB38EE0F764752946B427E5551EC27@Lenovo>

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KB6NAX

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hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From arc5 at ix.netcom.com Sun Mar 4 08:02:42 2018
From: arc5 at ix.netcom.com (David Stinson)
Date: Sun, 4 Mar 2018 07:02:42 -0600
Subject: [BoatAnchors] Irving, Texas Hamfest, March 2018
Message-ID: <000001d3b3b9\$18b47e40\$4a1d7ac0\$@netcom.com>

Irving, Texas is a small fest, but I always see
good folks and always find a treasure or three.
<https://photos.app.goo.gl/2QkX650lE7s39yCo2>

73 OM DE Dave AB5S

From garygarlic at earthlink.net Wed Mar 7 14:50:54 2018
From: garygarlic at earthlink.net (Gary Woods)
Date: Wed, 07 Mar 2018 14:50:54 -0500
Subject: [BoatAnchors] Anchor for digital canoes cheap: Commodore cassette
drive
Message-ID: <kfg0adhj4i91s1id2n01unl9o3str5n3dd@4ax.com>

Useable with Vic-20 and C-64; to a good home for the price of a USPS
flat-rate box. Intact; low mileage; no manual (though available
online and as part of the host computer's manual IIRC).

Last call!

This email has been checked for viruses by AVG.
<http://www.avg.com>

From garygarlic at earthlink.net Wed Mar 7 15:41:07 2018
From: garygarlic at earthlink.net (Gary Woods)
Date: Wed, 07 Mar 2018 15:41:07 -0500
Subject: [BoatAnchors] Anchor for digital canoes cheap: Commodore
cassette drive>Sale in progress
In-Reply-To: <kfg0adhj4i91s1id2n01unl9o3str5n3dd@4ax.com>

References: <kfg0adhj4i91s1id2n01unl9o3str5n3dd@4ax.com>
Message-ID: <nhj0adhsii1bvsj82hekitn6oba52vjs7q@4ax.com>

On Wed, 07 Mar 2018 14:50:54 -0500, you wrote:
Many thanks; I hate to just toss this stuff!

This email has been checked for viruses by AVG.
<http://www.avg.com>

From arc5 at ix.netcom.com Tue Mar 13 23:22:21 2018
From: arc5 at ix.netcom.com (David Stinson)
Date: Tue, 13 Mar 2018 22:22:21 -0500
Subject: [BoatAnchors]
=?utf-8?q?=5BARC5=5D_Stinson=E2=80=99s_DC_to_DC_co?=
=?utf-8?q?nverters?=
In-Reply-To:
<BN6PR19MB11710BFF2275CD07F78C754590D10@BN6PR19MB1171.namprd19.prod.outlook.com>
References:
<BN6PR19MB11710BFF2275CD07F78C754590D10@BN6PR19MB1171.namprd19.prod.outlook.com>
Message-ID: <002a01d3bb43\$ab35a960\$01a0fc20\$@netcom.com>

-----Original Message-----

From: Tom Bridgers
Subject: [ARC5] Stinson?s DC to DC converters

This is exciting stuff. Hats off to David Stinson who puts new meaning into
keeping those filaments lit.

73?s

Tom. KE4RHH

Tom, you and so many are ever kinder to me than I deserve. This "design" if one
can all it that, is still in the "tweaking" stage. I just now discovered that, if
I remove the antenna, I can hear some noise around 40 and above. With the antenna
on, I haven't found any around 30, 40 or 80 meters, it seems to be under the
receiver's noise floor.

I tried making this one with fewer ferrites than the last one, thinking I may have
"overdone" that one. Here's the photos:

<https://photos.app.goo.gl/uAXN9Jfw9oCXuQC03>

<https://photos.app.goo.gl/4LmZIDuMJVbIszXt2>

I probably should have tuned everywhere before writing- not just around 80 meters.

With an antenna on, it's fine for my operating; I'm not going to try to do very-weak-signal work with WWII gear. So the fiddling continues. Probably will add more ferrites and see how that does. Even if it stays at this weak level, CW and Phone are it's a fair trade for such a simple regulated B+ supply, IMHO.

Here is the High-Freq RAX with the supply I just built, tuning 7-10 Mc. The nasty hash you hear on AM is *not* the converter; it's a bad line noise I need to run down. The only place you can hear weak birdies is when I tune across about 8.5-9.5 MC (yes, the top end of the band isn't yet calibrated correctly). Going to see if a bit more ferrite will kill this "leak" in my shielding.
<https://photos.app.goo.gl/mnG1oGBY6ZKrqoJq1>

Just for fun, here is a short video of all three. The LF/MF is running on the DC-DC supply from last week, the center rig on a dynamotor, and the High-Freq on the right is on the pwr supply we're discussing.
<https://photos.app.goo.gl/ZWpN7pDKUz8o20sw2>

More to follow. Going to try one of these out running an SCR-183 transmitter.

GL OM DE Dave AB5S

From brianclarke01 at optusnet.com.au Thu Mar 15 06:18:29 2018

From: brianclarke01 at optusnet.com.au (Brian)

Date: Thu, 15 Mar 2018 21:18:29 +1100

Subject: [BoatAnchors]

=?utf-8?q?=5BARC5=5D_Stinson=E2=80=99s_DC_to_DC_co?=
=?utf-8?q?nverters?=
In-Reply-To: <002a01d3bb43\$ab35a960\$01a0fc20\$@netcom.com>

References:

<BN6PR19MB11710BFF2275CD07F78C754590D10@BN6PR19MB1171.namprd19.prod.outlook.com>

<002a01d3bb43\$ab35a960\$01a0fc20\$@netcom.com>
Message-ID: <092E68B6BB744DDEBCC842A7A18DECDA@BrianPC>

Hello Dave,

You can reduce the number of toroids in two ways:

a.. running two turns through one toroid is pretty well equivalent to running one turn through two toroids

b.. running the positive and negative leads through the same toroid - you may want to experiment with the leads in parallel, Gerry Sevik transmission line style, or in anti-phase as in mains EMI suppressor chokes.

73 de Brian, VK2GCE.

On Wednesday, March 14, 2018 2:22 PM, Dave said:

-----Original Message-----

From: Tom Bridgers
Subject: [ARC5] Stinson's DC to DC converters

This is exciting stuff. Hats off to David Stinson who puts new meaning into keeping those filaments lit.

73?s

Tom. KE4RHH

Tom, you and so many are ever kinder to me than I deserve. This "design" if one can call it that, is still in the "tweaking" stage. I just now discovered that, if I remove the antenna, I can hear some noise around 40 and above. With the antenna on, I haven't found any around 30, 40 or 80 meters, it seems to be under the receiver's noise floor.

I tried making this one with fewer ferrites than the last one, thinking I may have "overdone" that one. Here's the photos:

<https://photos.app.goo.gl/uAXN9Jfw9oCXuQC03>

<https://photos.app.goo.gl/4LmZIDuMJVbIszXt2>

<snip>

From arc5 at ix.netcom.com Thu Mar 15 08:37:26 2018
From: arc5 at ix.netcom.com (David Stinson)
Date: Thu, 15 Mar 2018 07:37:26 -0500
Subject: [BoatAnchors] Cool New DC-DC Converter
Message-ID: <000601d3bc5a\$6075ae80\$21610b80\$@netcom.com>

This DC-DC converter looks really interesting. It inputs 12V and can source a regulated from 1.25V to 12V at 3A for filaments and regulated 150V to 420V at up to 60mA for B+. Gonna get me one of these.

<https://www.ebay.com/itm/173034019336>

73 Dave AB5S

From w9ac at arrl.net Thu Mar 15 12:11:48 2018
From: w9ac at arrl.net (Paul Christensen)
Date: Thu, 15 Mar 2018 12:11:48 -0400
Subject: [BoatAnchors] Cool New DC-DC Converter
In-Reply-To: <000601d3bc5a\$6075ae80\$21610b80\$@netcom.com>
References: <000601d3bc5a\$6075ae80\$21610b80\$@netcom.com>
Message-ID: <005601d3bc78\$52da6c20\$f88f4460\$@arrl.net>

The eBay ad states that it's quiet and no doubt it is when used with vacuum tube audio amplifiers as intended. However, in communications receiver applications, don't be surprised if it emits strong switching harmonics every 40kHz - 100 kHz. It may require a lot of RFI mitigation to eliminate.

Paul, W9AC

-----Original Message-----

From: BoatAnchors <boatanchors-bounces at lists.theporch.com> On Behalf Of David Stinson via BoatAnchors

Sent: Thursday, March 15, 2018 8:37 AM

To: ARC-5 <arc5 at mailman.qth.net>; milsurplus at mailman.qth.net

Cc: David Stinson <arc5 at ix.netcom.com>

Subject: [BoatAnchors] Cool New DC-DC Converter

This DC-DC converter looks really interesting. It inputs 12V and can source a regulated from 1.25V to 12V at 3A for filaments and regulated 150V to 420V at up to 60mA for B+. Gonna get me one of these.

<https://www.ebay.com/itm/173034019336>

73 Dave AB5S

BoatAnchors mailing list

BoatAnchors at lists.theporch.com

<https://lists.theporch.com/mailman/listinfo/boatanchors>

From arc5 at ix.netcom.com Sun Mar 18 12:53:09 2018

From: arc5 at ix.netcom.com (David Stinson)

Date: Sun, 18 Mar 2018 11:53:09 -0500

Subject: [BoatAnchors] DC-DC: Interesting Development

Message-ID: <004b01d3bed9\$9c9138e0\$d5b3aaa0\$@netcom.com>

If you have an interest in these DC-DC solutions, here's an interesting development coming out of Analog Devices.

https://www.youtube.com/watch?v=FSBgg7DLJXY&index=3&list=PLiwaj4qabLWzDRPsIph6loIn3x19_NuDI

73 OM DE Dave AB5S

From k4pf at junosun Mar 18 14:16:26 2018

From: k4pf at junosun (k4pf at junosun)

Date: Sun, 18 Mar 2018 18:16:26 GMT
Subject: [BoatAnchors] The Impoverished Radio Experimenter series (Lindsay Books)
Message-ID: <20180318.141626.29308.0@webmail11.vgs.unttd.com>

Hi, Gang

Lindsay Books, aka youroldtimebookstore.com, is liquidating their inventory (I assume that means that they are going out of business). The code 750FF at checkout will get folks a 75% percent discount, plus their shipping costs are very low.

I just ordered The Impoverished Radio Experimenter series, vols. 1-6. (Unfortunately, vol.2 is unavailable).

73,
Ed Knobloch

From k7sz at live.com Sun Mar 18 16:02:22 2018
From: k7sz at live.com (Rich Arland)
Date: Sun, 18 Mar 2018 20:02:22 +0000
Subject: [BoatAnchors] The Impoverished Radio Experimenter series (Lindsay Books)
In-Reply-To: <20180318.141626.29308.0@webmail11.vgs.unttd.com>
References: <20180318.141626.29308.0@webmail11.vgs.unttd.com>
Message-ID: <BN6PR12MB1890090F2867933029296B21F6D50@BN6PR12MB1890.namprd12.prod.outlook.com>

Thanks Ed!!!

I was looking for these books for about a week. Could not remember the exact titles. Had them when I taught VoEd electronics 11 yrs ago. Guess they hit that black hole in my shack. Just ordered the five they have in stock.

Vy 73 es gud DX!

Rich Arland K7SZ
Bent Dipole Ranch, Dacula, GA
Author: "ARRL's Low Power Communications, the Art and Science of QRP" (all 4 editions)

Cogito ergo CQ (I think therefore, I HAM)
<http://commobunker.blogspot.com/>

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Ed Knobloch

<<https://lists.theporch.com/mailman/listinfo/boatanchors>>

From arc5 at ix.netcom.com Sun Mar 18 18:22:20 2018

From: arc5 at ix.netcom.com (David Stinson)

Date: Sun, 18 Mar 2018 17:22:20 -0500

Subject: [BoatAnchors] The Impoverished Radio Experimenter series
(Lindsay Books)

In-Reply-To:

<BN6PR12MB1890090F2867933029296B21F6D50@BN6PR12MB1890.namprd12.prod.outlook.com>

References: <20180318.141626.29308.0@webmail11.vgs.unttd.com>

<BN6PR12MB1890090F2867933029296B21F6D50@BN6PR12MB1890.namprd12.prod.outlook.com>

Message-ID: <00c001d3bf07\$98953d30\$c9bfb790\$@netcom.com>

I tried to order them, but the web site order form is bugged. It demands a "valid phone number" but won't recognize one. Can't seem to get past it.

-----Original Message-----

From: BoatAnchors

[mailto:boatanchors-bounces at lists.theporch.com] On

Behalf Of Rich Arland via BoatAnchors

Sent: Sunday, March 18, 2018 3:02 PM

To: Ham radios with tubes

Cc: Rich Arland

Subject: Re: [BoatAnchors] The Impoverished Radio
Experimenter series (Lindsay Books)

Thanks Ed!!!

I was looking for these books for about a week. Could not remember the exact titles. Had them when I taught VoEd electronics 11 yrs ago. Guess they hit that black hole in my shack. Just ordered the

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<<https://lists.theporch.com/mailman/listinfo/boatanchors>>

BoatAnchors mailing list
BoatAnchors at lists.theporch.com
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From rbaldwin14 at nc.rr.com Sun Mar 18 19:20:55 2018
From: rbaldwin14 at nc.rr.com (Rich Baldwin)
Date: Sun, 18 Mar 2018 19:20:55 -0400
Subject: [BoatAnchors] The Impoverished Radio Experimenter series
(Lindsay Books)
In-Reply-To: <00c001d3bf07\$98953d30\$c9bfb790\$@netcom.com>
References: <20180318.141626.29308.0@webmail11.vgs.unttd.com>

<BN6PR12MB1890090F2867933029296B21F6D50@BN6PR12MB1890.namprd12.prod.outlook.com>
<00c001d3bf07\$98953d30\$c9bfb790\$@netcom.com>
Message-ID: <019c01d3bf0f\$c5cc94d0\$5165be70\$@nc.rr.com>

I had no trouble. I input the phone number with a dash between the numbers:
xxx-xxx-xxxx

Rich Baldwin
KD6VK

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at lists.theporch.com] On Behalf Of David Stinson via BoatAnchors
Sent: Sunday, March 18, 2018 6:22 PM
To: 'Ham radios with tubes' <boatanchors at lists.theporch.com>
Cc: David Stinson <arc5 at ix.netcom.com>
Subject: Re: [BoatAnchors] The Impoverished Radio Experimenter series (Lindsay Books)

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From: BoatAnchors
[mailto:boatanchors-bounces at lists.theporch.com] On Behalf Of Rich Arland via BoatAnchors
Sent: Sunday, March 18, 2018 3:02 PM
To: Ham radios with tubes
Cc: Rich Arland
Subject: Re: [BoatAnchors] The Impoverished Radio Experimenter series (Lindsay Books)

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<<https://lists.theporch.com/mailman/listinfo/boatanchors>>

BoatAnchors mailing list
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BoatAnchors mailing list
BoatAnchors at lists.theporch.com
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From garygarlic at earthlink.net Sun Mar 18 20:22:46 2018
From: garygarlic at earthlink.net (Gary Woods)
Date: Sun, 18 Mar 2018 20:22:46 -0400
Subject: [BoatAnchors] The Impoverished Radio Experimenter series
(Lindsay Books)
In-Reply-To: <00c001d3bf07\$98953d30\$c9bfb790\$@netcom.com>
References: <20180318.141626.29308.0@webmail11.vgs.unttd.com>
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<00c001d3bf07\$98953d30\$c9bfb790\$@netcom.com>
Message-ID: <ta0uad50fvnlm0j5s2cfmljis9ik1gv4pm@4ax.com>

On Sun, 18 Mar 2018 17:22:20 -0500, you wrote:

>I tried to order them, but the web site order form
>is bugged. It demands a "valid phone number" but

>won't recognize one.

As the other follow-up said; play with the formatting of the phone number.

Personally, I think any programmer who can't parse a phone # in _any_ of its permutations (including country codes) should be removed from the gene pool with extreme prejudice.

I remember Commodore guru Jim Butterfield's talk: "Assume there are a gang of monkeys on the keyboard trying to break your computer. Make SURE they can't!

Too many web developers think we can type in the format they expect (and didn't tell us). It's like "enter a password," then begins the Chinese water torture of trying to figure out what's acceptable, while they tell you one bit at a time.

#endrant

Now, isn't that better than grabbing a hot KT-66?

This email has been checked for viruses by Avast antivirus software.
<https://www.avast.com/antivirus>

From jim.isbell at gmail.com Sun Mar 18 20:37:16 2018

From: jim.isbell at gmail.com (Jim Isbell, W5JAI)

Date: Sun, 18 Mar 2018 19:37:16 -0500

Subject: [BoatAnchors] The Impoverished Radio Experimenter series
(Lindsay Books)

In-Reply-To: <ta0uad50fvnlm0j5s2cfmljis9ik1gv4pm@4ax.com>

References: <20180318.141626.29308.0@webmail11.vgs.unttd.com>

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<00c001d3bf07\$98953d30\$c9bfb790\$@netcom.com>

<ta0uad50fvnlm0j5s2cfmljis9ik1gv4pm@4ax.com>

Message-ID: <CAB+LbZBtbBhPkKyvzQC=X6DJmDxN070ca-iqrj_w-6Q+gxh0vg@mail.gmail.com>

Amen and Amen. I used my wife to debug my software. If it could be broken, she was the one to do it.....dont tell her about the monkeys, my life wouldnt be worth a plugged nickle.

<<https://mailtrack.io/>> Sent with Mailtrack

<[https://mailtrack.io/install?source=signature&lang=en&referral=jim.isbell at gmail.com&idSignature=22](https://mailtrack.io/install?source=signature&lang=en&referral=jim.isbell%20at%20gmail.com&idSignature=22)>

Jim Isbell

On Sun, Mar 18, 2018 at 7:22 PM, Gary Woods via BoatAnchors <
boatanchors at lists.theporch.com> wrote:

> On Sun, 18 Mar 2018 17:22:20 -0500, you wrote:
>
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>
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>
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>